PHILOSOPHICAL TRANSACTIONS.

For the Months of *July*, *Auguſt*, and *September*.
Munday, *Septem.* 1667.

The Contents.

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An Advertiſement concerning the Invention of the Tranſfuſion of Bloud.

THE Author of theſe Papers returning now to his former Exerciſes, which by an extraordinary Accident he was neceſſitated to interrupt for ſome months laſt paſt, thought fit to compriſe the *Tranſactions* of all the Months omitted in one *Tract*: In the very beginning of which he muſt inform the *Reader*, that if himſelf had publiſhed that *Letter*, which came abroad in *July* laſt, *Concerning a new way of curing ſundry diſeaſes by Tranſfuſion of Bloud*, written to *Monſieur de Montmor*, &c. by *J. Denis Prof. of Philoſophy*, &c. he ſhould then have taken notice, as he doth now, of what

is affirmed in that *Letter* about the *time* and *place* of the *Conception* of that Transfuſing deſign; and intimated to the Curious, that how long ſoever that Experiment may have been *conceived* in other parts (which is needleſs to conteſt) it is notorious, that it had its *birth* firſt of all in *England*; ſome Ingenious perſons of the *Royal Society* having firſt ſtarted it there, ſeveral years ago, (as appears by their *Journal*) and that dextrous Anatomiſt, D. *Lower*, reduced it into practice, both by contriving a method for the Operation, and by ſucceſsfully executing the ſame: wherein he was ſoon overtaken by ſeveral happy Trials of the skilful hand of D. *Edmund King*, and others, encouraged thereunto by the ſaid Society; which being notified to the world *Numb.* 19. and 20. of theſe *Tranſactions*, Print. *Novem.* 19. and *Decemb.* 17. 1666; the Experiment was, ſoon after that time, heard of to have been tried in forein parts, without hearing any thing then of its having been *conceived ten years ago.*

An account of ſome Experiments of injecting Liquors *into the Veins of Animals, lately made in* Italy *by Signior* Fracaſſati *Profeſſor of Anatomy at* Piſa.

1. Having infuſed into the *Jugular* and *Crural* Vein of a Dog ſome *Aqua fortis* diluted, the Animal died preſently; and being opened, all the bloud in the Veſſels was fixed, but that in the guts not ſo well. It was alſo obſerved, that the great veſſels were burſt, perhaps by an effort of Nature; even as in the greateſt part of thoſe that die of an *Apoplexy*, the veſſels of the Lungs are found broken. Upon which Experiment the Author maketh theſe Reflections: *Firſt*, That an *Apoplexy* being often cauſed by a like Coagulation of the bloud (as hath been obſerved by the opening, made of ſundry perſons, who died of that diſtemper) it might be cured by a timely infuſing ſome *Diſſolvent* into the veins. *Secondly*, That it is likely, that that uſeful ſecret, by which Monſieur *de Bills* diſſected Animals without any effuſion of bloud, conſiſts in ſome ſuch Infuſion.

2. There was afterwards infuſed into another Dog ſome *Spirit of Vitriol*, which had not ſo preſent an effect; for the Animal complained a great while, and foam'd like *Epileptick's*, and had its reſpiration very thick; and obſerving the beating of his breaſt, one might eaſily judge, the Dog ſuffered much: who dying at laſt, his bloud was found fixed in the veins, and grumous, reſembling ſoot.

3. Then there was injected into a Dog ſome *Oyl of Sulphur*: But he died not of it, though this Infuſion was ſeveral times tried upon him. And

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